

## Nuclear Regulatory Commission

## § 74.4

74.33 Nuclear material control and accounting for uranium enrichment facilities authorized to produce special nuclear material of low strategic significance.

### Subpart D—Special Nuclear Material of Moderate Strategic Significance

74.41 Nuclear material control and accounting for special nuclear material of moderate strategic significance.

74.43 Internal controls, inventory, and records.

74.45 Measurements and measurement control.

### Subpart E—Formula Quantities of Strategic Special Nuclear Material

74.51 Nuclear material control and accounting for strategic special nuclear material.

74.53 Process monitoring.

74.55 Item monitoring.

74.57 Alarm resolution.

74.59 Quality assurance and accounting requirements.

### Subpart F—Enforcement

74.81 Inspections.

74.82 Tests.

74.83 Violations.

74.84 Criminal penalties.

AUTHORITY: Atomic Energy Act secs. 53, 57, 161, 182, 183, 223, 234, 1701 (42 U.S.C. 2073, 2077, 2201, 2232, 2233, 2273, 2282, 2297f); Energy Reorganization Act secs. 201, 202, 206 (42 U.S.C. 5841, 5842, 5846); Government Paperwork Elimination Act sec. 1704 (44 U.S.C. 3504 note).

SOURCE: 50 FR 7579, Feb. 25, 1985, unless otherwise noted.

### Subpart A—General Provisions

#### § 74.1 Purpose.

(a) This part has been established to contain the requirements for the control and accounting of special nuclear material at fixed sites and for documenting the transfer of special nuclear material. General reporting requirements as well as specific requirements for certain licensees possessing special nuclear material of low strategic significance, special nuclear material of moderate strategic significance, and formula quantities of strategic special nuclear material are included. Requirements for the control and accounting of source material at enrichment facilities are also included.

(b) The general conditions and procedures for the submittal of a license application for the activities covered in this part are detailed in § 70.22 of this chapter.

[50 FR 7579, Feb. 25, 1985, as amended at 56 FR 55998, Oct. 31, 1991; 67 FR 78144, Dec. 23, 2002]

#### § 74.2 Scope.

(a) The general reporting and recordkeeping requirements of subpart B of this part apply to each person licensed under this chapter who possesses special nuclear material in a quantity of one gram or more of contained uranium-235, uranium-233, or plutonium; or who transfers or receives a quantity of special nuclear material of one gram or more of contained uranium-235, uranium-233, or plutonium. The general reporting and recordkeeping requirements of subpart B of this part do not apply to licensees whose MC&A reporting and recordkeeping requirements are covered by §§ 72.72, 72.76, and 72.78 of this chapter.

(b) In addition, specific control and accounting requirements are included in subparts C, D, and E for certain licensees who:

(1) Possess and use formula quantities of strategic special nuclear material;

(2) Possess and use special nuclear material of moderate strategic significance;

(3) Possess and use special nuclear material of low strategic significance; or

(4) Possess uranium source material and equipment capable of producing enriched uranium.

(c) As provided in part 76 of this chapter, the regulations of this part establish procedures and criteria for material control and accounting for the issuance of a certificate of compliance or the approval of a compliance plan.

[67 FR 78144, Dec. 23, 2002, as amended at 73 FR 32463, June 9, 2008]

#### § 74.4 Definitions.

As used in this part:

*Abrupt loss* means a loss occurring in the time interval between consecutive sequential performances of a material control test which is designed to detect